

# MR Series

Cloud-managed networking for less

## Open Mesh makes WiFi smarter and simpler.

We help create powerful, easy-to-use wireless networks that automatically spread Internet connections throughout hotels, apartments, retail stores, restaurants, small and medium-sized businesses—and just about anywhere else.

Built with the needs of business, retail and hospitality in mind, Open Mesh MR Series access points work seamlessly with the CloudTrax cloud controller to deploy full-featured, professional wireless networks in minutes.

The Open Mesh MR Series platform includes a dual-band access point, an outdoor enclosure, and CloudTrax, a free and easy to use enterprise grade cloud-based controller.

Open Mesh proves how easy, powerful and reliable cloud-managed wireless networking can be.

## Diverse solutions



### Hospitality

Powerful, scalable cloud-managed WiFi that keeps guests coming back.



### Small/medium-sized business

Secure, cost-effective staff and guest networks built for any environment.



### Retail, food and beverage

Zero-touch deployment across 1 or 1,000's of locations. Compelling data and integrations.



### Housing

WiFi for new and old apartments, care homes and more with less cost and complexity.

# MR Series Access Points

## Cloud-managed wireless LAN



Open Mesh MR Series access points provide robust wireless LAN coverage anywhere you need to share a connection.

Each access point is a cloud-managed concurrent dual band 2.4 GHz and 5 GHz access point, router, mesh gateway and repeater all in one compact, reliable, high-performance package.



## Features

- Zero config, plug and play networking
- Self forming, self healing mesh
- Free cloud-based network controller for complete control and monitoring
- Four SSIDs for public and private use
- Free iOS and Android monitoring apps
- Hardware Watchdog auto-restarts after power spikes and outages

## Benefits



### Cloud managed

What used to require a dedicated server can now be done through a browser and our free, cloud-based network controller, CloudTrax. CloudTrax is packed with powerful features to meet the demands of IT professionals, yet is easy enough to be deployed by someone with little to no network experience.



### High performance

Open Mesh MR Series access points are designed to deliver all the features and performance you'd expect from enterprise-grade hardware at a fraction of the price. Features include dual band simultaneous 2.4GHz/5GHz, 3x3 configurations on wireless N or AC, Gigabit Ethernet, standard 802.3af PoE and more.



### Mesh enabled

Install units like traditional hardwired access points and add additional power-only units to extend coverage. All access points work together to form a self-organizing, self-healing encrypted mesh network with seamless roaming. Mesh allows you to balance performance with deployment flexibility in locations where additional cabling isn't always feasible.



### White labeled

Open Mesh is ideal for systems integrators, resellers and IT consultants because we don't put any logos on our boxes or access points. Even our cloud controller, CloudTrax, contains no links or references back to Open Mesh. With no competing messages, your brand is the star of the show.

# MR Series Enclosures

## Outdoor installation



Take the MR Series access points outdoors for professional, modular WLAN installations anywhere.

The outdoor enclosure is ideal for covering an outdoor sector or for short range point to multi-point deployments with the narrower antenna pattern of the MR Series access points.



### Features

- Weather-tight enclosure
- Pole and wall mountable
- Compact size
- Bright white, UV-stabilized ABS plastic

### Benefits



#### A perfect fit

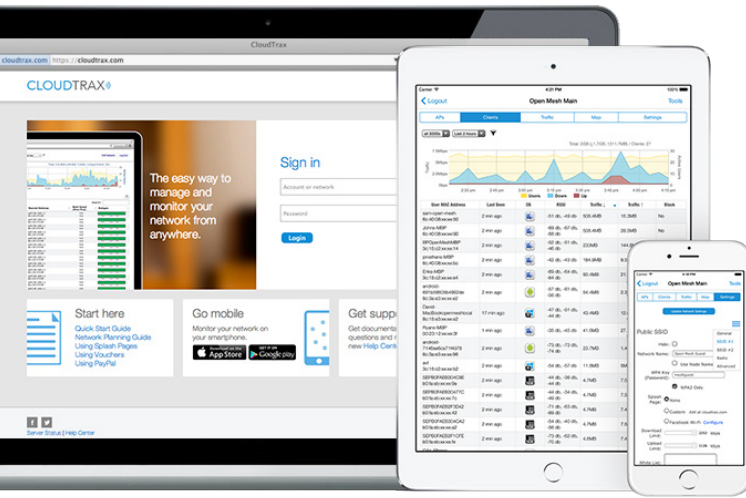
Open Mesh makes it easy to get wireless coverage exactly where you need it. Out of the box, Open Mesh MR Series access points can be installed in any indoor location like a ceiling (to cover a room) or wall (to cover a sector of a larger facility). And with the outdoor enclosure that mounts to a wall or pole, you can take your wireless network outside. Open Mesh enclosures blend in seamlessly in any office, school conference facility or event venue.

#### Specifications

Size	Diameter: 8.0cm (3.1") Depth: 4.5cm (1.8")
Compatible Power Supplies	802.3af PoE recommended
Material	Bright white, UV-stabilized ABS plastic with rubber seal
Mounting Options	Pole, wall
Warranty	1 Year

# Open Mesh Cloud Controller

Powerful network management



**Say goodbye to onsite controllers  
— and monthly fees.**

Build, manage and monitor your networks across one site or thousands through the cloud. With no servers or software to install, Open Mesh is powerful enough to meet the demands of IT professionals yet easy enough to use by someone with little or no experience.

## Features

- Single point of configuration for one access point or thousands
- Automatic reporting and alerts
- Usage statistics and control with client device fingerprinting
- Full captive portal/voucher system
- Free iOS and Android apps
- Zero cost license
- Full CloudTrax API (additional cost)

## Benefits



### Easy scalability

Whether you're managing one site or thousands, CloudTrax is built to grow with you. Because there's nothing to configure on-site, adding new access points and network locations takes just seconds. Create new networks by cloning existing ones and provision new access points in just a click. CloudTrax makes it easy to get all of your networks behind a single pane of glass.



### Mobile apps

CloudTrax includes free iOS and Android apps, so you can build, manage and monitor your networks while on the go. Create new networks in seconds, add new APs by simply scanning them, and swap old APs with new with zero typing or configuration. You have access to the full functionality available at cloudtrax.com and can switch between mobile and desktop seamlessly.



### Multiple SSIDs

CloudTrax can broadcast multiple unique networks, some public and others private. Public networks can be customized with powerful captive portal features, while private networks work seamlessly as an extension of your LAN. Each network can be uniquely named, left visible or hidden, and left open or password-protected with WPA2 encryption.



### Automated alerts

Don't have time to check the network status every day? Don't worry. If any access point goes down and doesn't come back up within an hour, CloudTrax will automatically email you (and anyone else you designate). Outage alerts are easy to turn on and off, always keeping you in-the-know when it comes to the health of your wireless network.

## MR1750

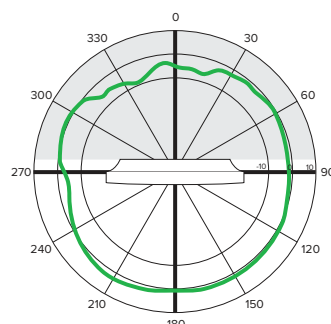
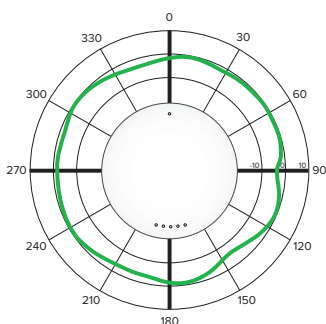


<b>Speed (rated)</b>	3x3 MIMO 450 + 1300 Mbps
<b>Radio: 2.5 GHz</b>	11b/g/n: 2.412~2.484 GHz
<b>Radio: 5 GHz</b>	11a/n/ac: 5.18-5.24 and 5.745-5.825 GHz
<b>Antenna</b>	Six internal (2.4 GHz: 4 dBi; 5 GHz: 5 dBi)
<b>Power</b>	Up to 23 dBm (200 mw)
<b>Processor</b>	QCA9558 (Processor @ 700mhz MIPS74K + 2.4 GHz radio) + AR9880 (5 GHz Radio)
<b>Max users (recommended)</b>	50-100 per AP
<b>Memory</b>	128MB DRAM
<b>Security</b>	WPA/WPA2 Personal, WPA/WPA2 Enterprise, 802.1X RADIUS, captive portal, client isolation
<b>Zero config plug and play</b>	Yes
<b>Self-forming, self-healing mesh</b>	Yes (2.4 GHz)
<b>Seamless roaming</b>	Yes
<b>Hardware watchdog CPU</b>	Yes
<b>Free cloud management</b>	Yes
<b>Free iOS/Android Apps</b>	Yes
<b>Captive portal w/ bandwidth throttling, splash pages and user controls</b>	Yes
<b>SSIDs</b>	4
<b>SSID to VLAN tagging</b>	Yes
<b>Ethernet</b>	1 x Gigabit
<b>PoE</b>	802.3af/at* 48v
<b>Power supply options</b>	Universal 24v (US, EU, UK, AU)
<b>LEDs</b>	Power, Ethernet, 2.4 GHz, 5 GHz, Traffic
<b>Temperature</b>	0-50 C
<b>Mounting options</b>	Solid ceiling, wall, 9/16" or 15/16" drop ceiling (included); outdoor enclosure ODMRX00 (optional)
<b>Size</b>	6.38" (diameter) x 1.5" (height)   0.52 Lbs

\* While most deployments will use less than 15.4W (802.3af), you may not be able to use high TX power with long cable runs and/or high client density unless your switch supports 802.3at, or up to 20w per port.

## Transmission pattern

### 2.4 GHz



### 5 GHz

